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Trip Report to Cenwal, Ashland, Cass., 2/1/50 J. A. Quirley, Pebruary

Persons Visited

C. Cola - Past Engineer

J. Williams - Engineer, Protection Systems

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The original 13 pounds of agnesium fluoride fines sent to Penwal for the tests last hovember were used. The explosion vessel was equipped with safety devices including an explosion relief system vented to the atmosphere. lowever, the amount of radioactive material involved did not present a radiological problem to employees of Jenwal or to the joneral public.

An explosion occurred in the test vessel in the first of two tests because the OF (chlorobromomethane) extinguishing agent did not suppress the exploding mixture of magnesium fluoride plus 50 percent by weight free magnesium. In the second test Freen 1301 was successfully used and decontamination then followed.

Decontamination

The test vessel and equipment were wiped with water soaked rags. The contaminated rags are being returned to MLO along with the contaminated magnesium fluoride used for the tests. Contact radiation measurements of the cleaned equipment were taken with portable survey meters. The low range beta-jamma survey instrument and the alpha survey instrument showed no radiation levels above natural background.

Miscellaneous Comments

The personnel at Fenwal were very receptive and had practically everything ready for testing upon my arrival. A minimum of delay occurred between tests and at the end they seemed pleased with the successful explosion suppression and the decontamination of their test vessel.

Commitments

None.

ORIGINAL SIGNED BY

F. J. Klein

FJK/lrr

cc: H. M. Burns

R. Mode - A. F. Pennak J. H. Noyes R. H. Starkey A. Stewart, Jr.